**Supporting Information for**

**‘Switch-on’ DNA Sensor Based on Poly(*p*-phenylene vinylenes) Bound Tentacle Probes**

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**This File Includes:**

**Section S1: Switch-On DNA sensor response with PPV-MagSi beads**

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# Section S1.1 Switch-On DNA sensor response with PMDH-MagSi and PDMonoG-MagSi beads

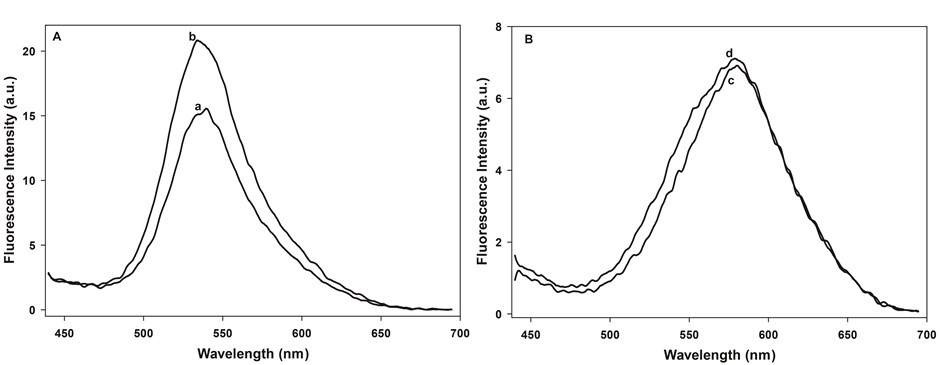


Figure S1.1. The fluorescence spectra of (A) **PMDH**-MagSi DNA sensor with (a) TP and (b) Target, (B) **PDMonoG**-MagSi DNA sensor with (c) TP and (d) Target in Tris-HCl buffer.

# Section S1.2 Selectivity of the switch-on DNA sensor response with PMDH-MagSi beads

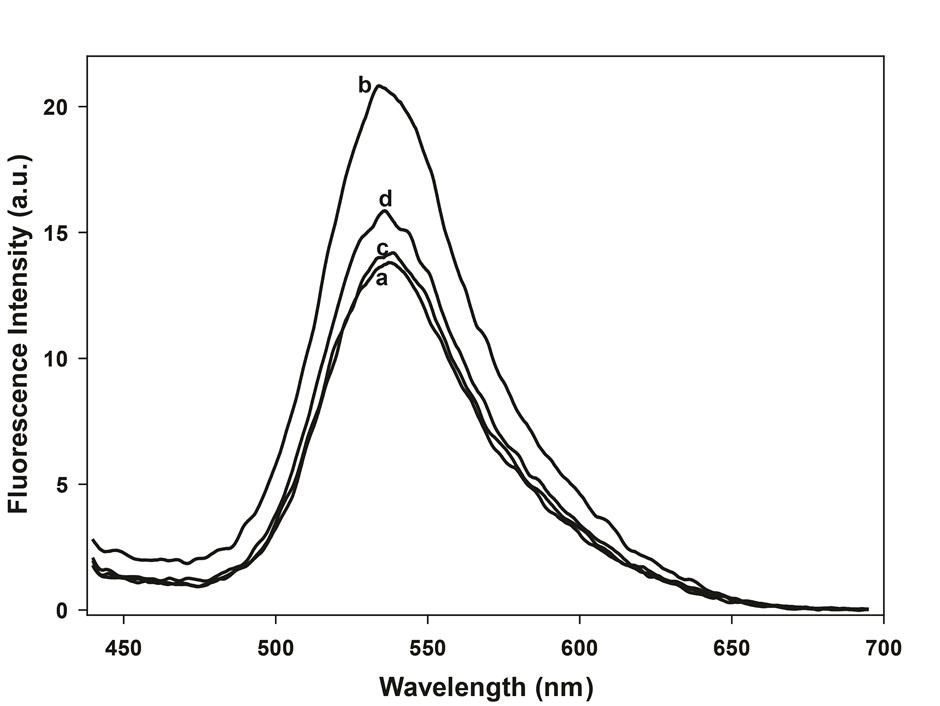


Figure S1.2. The fluorescence spectra of **PMDH**-MagSi DNA sensor with (a) TP, (b) Target, (c) NonC and (d) 2BMisM in Tris-HCl buffer.